



# SpecPro™ 4L Connector Polisher

**SINGLEMODE PERFORMANCE**

**POLISHES UP TO FOUR CONNECTORS**

**INDEPENDENT SUSPENSION WORKHOLDERS**

**SUPPORTS UPC/APC/MT STYLE CONNECTORS AND FERRULES**

**IN-LINE VIDEO INSPECTION**

**BARE FIBER POLISHING**



## UNIVERSAL

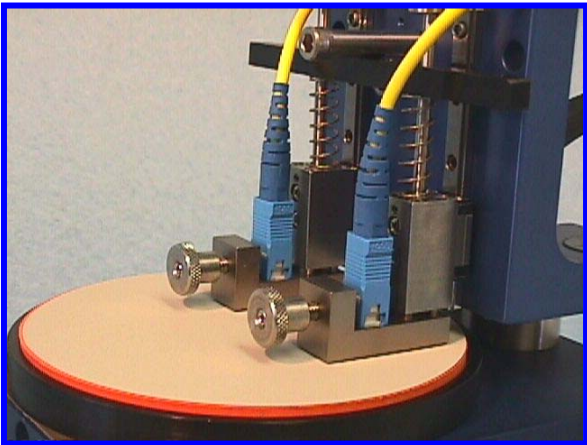
The SpecPro™ 4L is designed for low volume applications that require precision polishing. Though compact and portable, SpecPro™ 4L consistently delivers singlemode performance with simplified operation. SpecPro™ 4L supports all industry standard connectors and ferrules with its interchangeable workholders. Even bare fibers and optical bundles can be processed.

## COST EFFECTIVE

SpecPro™ 4L workholders are available for the simultaneous polishing of up to four connectors. These workholders also incorporate the same Independent Suspension (IS) design used in Krell's *icon™* Automated Polishing Workcell. IS permits freedom of movement at each connector position guaranteeing uniform polishing with equalized pressure distribution. This results in higher first pass product yields and dramatically less wear on polishing consumables.

SpecPro™ 4L can be utilized for numerous applications ranging from telecom and military to sensing and medical. It can support smaller cable assembly production runs as well as laboratory R&D efforts. SpecPro™ 4L's small size and battery operation lends itself well for field installations. Additionally it is ideal for the retro-polishing and repair of damaged connectors.

## SPECIFICATIONS AND FEATURES



*Independent suspension guarantees consistent uniform finishes regardless of the number of connectors or ferrules being polished.*

Specifications are subject to change without notice. Rev. 2, 01/07

### Polishing Performance<sup>1</sup>

- Apex Offset**  
<50 microns
- Radius of Curvature**  
10-25 mm, 2.5 mm ferrules  
7-20 mm, 1.25 mm ferrules  
5-12 mm, APC ferrules
- Undercut/Protrusion**  
0 to -50 nm  
<sup>1</sup>polishing performance can be optimized for specific applications

### Optical Performance<sup>2</sup>

- Back Reflection**  
< -55 dB, UPC  
< -65 dB, APC
- Insertion Loss**  
<0.25 dB, typical  
<sup>2</sup>optical performance may vary between connector manufacturers

### Operational

- Connector Capacity**  
Up to 4 connectors
  - Connector Support<sup>3</sup>**  
All industry standard connectors/ferrules including UPC/APC/MultiFiber; bare fiber and optical bundles
  - Polishing Films**  
4 inch diameter
  - Polishing Motion**  
Random orbital
  - Video Inspection**  
Workholders can interface with the SpecVision SV4 for in-line viewing fiber finishes
  - Power**  
AC adapter/9 volt battery
  - Size and Weight**  
4.89" x 6.89" footprint  
4 lbs
- <sup>3</sup>Custom workholders available